# TABLE OF CONTENTS, VOLUME SIXTY-THREE

#### June-August 1997

On Piloderma bicolor and the closely related P. byssinum, P. croceum, and P. fallax.	
Michael J. Larsen, Jane E. Smith, and Donaraye McKay	1
New species and new records of ascomycetes on stems of eucalypts from Tasmania,	
AustraliaZi Qing Yuan and C. Mohammed	9
Hygrophoraceae of Western Australia	25
Three new sequestrate basidiomycetes from Western Australia	37
Two new species and new reports in the Parmeliaceae sensu stricto (lichenized	
Ascomycotina) from BrazilSionara Eliasaro and Mónica T. Adler	49
Polymorphism of vegetative propagules in Punctelia punctilla (Parmeliaceae, Lecanorales) and the delimitation of the species	57
A new contribution to the knowledge of the genus Agaricus in Chile.	
Agaricus wrightii sp. nov E. Valenzuela, P. Heinemann,	
F. Esteve-Raventós, S. Garnica, M. Polette, and W. Castells	71
Mycorrhizae of Asian black truffles, Tuber himalayense and T. indicum.	
O. Comandini and G. Pacioni	77
Corrigendum and indexes (fungus names, hosts and substrates) to Fungi Canadenses	
1-330 (1973-1990) Michael Corlett, S. A. Redhead, and C. E. Babcock Endogone aurantiaca, a new species in the Endogonales from Poland.	87
Janusz Blaszkowski	131
Heterotolyposporium, a new genus of Ustilaginales	143
Tropical hyphomycetes of Mexico I. New species of Hemicorynespora, Piricauda and	
Rhinocladium	
and Julio Mena Portales	155
Notes on conidial fungi XII. New or interesting hyphomycetes from Cuba.	
R. F. Castañeda Ruíz, J. Guarro, and J. Cano	169
Notes on conidial fungi. XIII. A new species of Cladosporium from Cuba.	
R. F. Castañeda Ruíz, B. Kendrick, and J. Gené	183
Peronospora on Fragaria	189
New heterobasidiomycetes from Great Britain Peter Roberts	195
Tuber pseudohimalayense sp. nov. An Asiatic species commercialized in Spain, similar to	
the "Perigord" truffle	
L. G. García-Montero, and G. Di Massimo	217
Mating systems in hymenomycetes: new reports and taxonomic implications.	
Ronald H. Petersen Austrocenangium gen. nov. from southern South AmericaIrma J. Gamundí	225
Austrocenangium gen. nov. from southern South AmericaIrma J. Gamundí	261
Comparative study of cellulolytic enzyme zymograms of species of Thecolneus and	
lodophanus (Pezizales-Ascomycetes)	
Andrea S. Sivori, and María E. Ranalli	269
The myxomycetes from Baja California (Mexico). I.	
M. Lizarraga, G. Moreno, and C. Illana	287
Contribution to the knowledge of fungi of the genus Sphaerotheca in Yugoslavia.	
Branislav Ranković and Ljiljana Comić	301
Some new species and new records of discomycetes in China. VII.	205
Wen-ying Zhuang and Zheng Wang	307
Studies on Mediterranean hyphomycetes. VI. Remarks on Bactrodesmium, and	202
B. cubense comb. nov L. Zucconi and D. Lunghini	323

Studies on Mediterranean hyphomycetes. VII. Septonema crispulum anamsp. nov.  Dario Lunghini and Francesco Toscano	329
New species and new combinations in the lichen family Parmeliaceae (Ascomycotina)	335
from South Africa	333
G. S. de Hoog, E. Guého, and M. Th. Smith	345
New species of Russula from California	349
Generic concepts within the groups of Marasmius and Collybia sensu lato.	
V. Antonín, R. E. Halling, and M. E. Noordeloos	359
New or rare hyphomycetes from Cuba VIII. Species of Lylea, Phaeoisaria, Arxiella, Graphium, Periconia and Ramichloridium.	
A. Mercado-Sierra, M. J. Figueras, and J. Gené	369
Two new bluing species of Psilocybe from Puerto Rico	
Fidel Tapia, Angel M. Nieves-Rivera, and Carlos Betancourt	377
Tricholoma albidulum sp. nov. (Tricholomataceae, Agaricales) from Baja California,	
Mexico	383
Additions to the chemistry, ecology and distribution of Peltigeramelanorrhiza and	
P. neopolydactyla	389
Evangelina Pérez Silva and José Luis León de la Luz	395
Further new species in the lichen family Parmeliaceae (Ascomycotina) from Australasia.	393
John A. Elix	419
Ingoldian fungi from the Catalan Pyrenees: pure culture studies	431
reported from the Iberian Peninsula and Balearic Islands	467
Three new species of the Meliolaceae from Kerala, India.	
V. B. Hosagoudar, T. K. Abraham, and R. D. Goos	493
Notice: A new Book Review Editor for Mycotaxon	497
Notice: Mycosystema	499
Errata	500
Author Index	501
Index to Fungous and Lichen Taxa	504
Reviewers	516
Publication Date, Volume 62	516



# ERRATA, VOLUME SIXTY-THREE

Page 225, line 11	for rameales	read ramealis
Page 262, line 8	for cathegory	read category
Page 311, line 27	for Maas Greet.	read Maas Geest.
Page 354, line 1	for susbellipsoid	read subellipsoid
Page 406, line 1	for (DC) Fr. Sing.	read (DC.: Fr.) Sing.
Page 414, line 8	for Phegmatium	read Phlegmatium

#### Author Index, Volume Sixty-three

Abraham, T. K., see Hosagoudar & al.

Adler, Mónica T. Polymorphism of vegetative propagules in Puncteliapunctilla (Parmeliaceae, Lecanorales) and the delimitation of the species, 63: 57-70. 1997.

Adler, Mónica T., see Eliasaro and Adler

Anon., Notice: A new Book Review Editor for Mycotaxon, 63: 497. 1997.

Anon., Notice: Mycosystema, 63: 499. 1997.

Antonín, V., R. E. Halling, and M. E. Noordeloos. Generic concepts within the groups of Marasmius and Collybia sensu lato, 63: 359-368. 1997.

Ayala, N., see Moreno & al.

Babcock, C. E., see Corlett & al. Betancourt, Carlos, see Guzmán & al.

Błaszkowski, Janusz. Endogone aurantiaca, a new species in the Endogonales from Poland, 63: 131-141. 1997.

Bougher, N. L. Three new sequestrate basidiomycetes from Western Australia, 63: 37-48. 1997.

Bougher, N. L., and A. M. Young. Hygrophoraceae of Western Australia, 63: 25-35. 1997.

Burgaz, Ana Rosa, see Martínez and Burgaz

Cano, J., see Castañeda Ruíz & al.

Castañeda Ruíz, R. F., J. Guarro, and J. Cano. Notes on conidial fungi XII. New or interesting hyphomycetes from Cuba, 63: 169-181. 1997.

Castañeda Ruíz, R. F., B. Kendrick, and J. Gené. Notes on conidial fungi. XIII. A new species of Cladosporium from Cuba, 63: 183-187. 1997.

Castells, W., see Valenzuela & al.

Checa, J. Annotated list of the Lophiostomataceae and Mytilinidiaceae (Dothideales, Ascomycotina) reported from the Iberian Peninsula and Balearic Islands, 63: 467-491. 1997.

Comandini, O., and G. Pacioni. Mycorrhizae of Asian black truffles, Tuber himalayense and T. indicum, 63: 77-86. 1997.

Comić, Ljiljana, see Ranković and Comić

Constantinescu, O., and G. Negrean. Peronospora on Fragaria, 63: 189-194. 1997.

Corlett, Michael, S. A. Redhead, and C. E. Babcock. Corrigendum and indexes (fungus names, hosts and substrates) to Fungi Canadenses 1-330 (1973-1990), 63: 87-130. 1997.

de Hoog, G. S., E. Guého, and M. Th. Smith. Nomenclatural notes on some arthroconidial yeasts. 63: 345-347. 1997.

Descals, Enrique. Ingoldian fungi from the Catalan Pyrenees: pure culture studies, 63: 431-466. 1997.

Diez, J., see Moreno & al.

Di Massimo, G., see Moreno & al.

Eliasaro, Sionara, and Mónica T. Adler. Two new species and new reports in the Parmeliaceae sensu stricto (lichenized Ascomycotina) from Brazil, 63: 49-55. 1997. Elix, John A. Further new species in the lichen family Parmeliaceae (Ascomycotina)

from Australasia, 63: 419-430. 1997.

Elix, John A. New species and new combinations in the lichen family Parmeliaceae (Ascomycotina) from South Africa, 63: 335-343. 1997.

Esteve Raventós, F., see Moreno & al.

Esteve-Raventós, F., see Valenzuela & al. Figueras, M. J., see Mercado-Sierra & al.

Gamundí, Irma J. Austrocenangium gen. nov. from southern South America, 63: 261-268. 1997.

García-Montero, L. G., see Moreno & al.

Garnica, S., see Valenzuela & al.

Gené, J., see Castañeda Ruíz & al. Gené, J., see Mercado-Sierra & al. Goos, R. D., see Hosagoudar & al. Guarro, J., see Castañeda Ruíz & al.

Guého, E., see de Hoog & al. Guzmán, Gastón, Fidel Tapia, Angel M. Nieves-Rivera, and Carlos Betancourt. Two new bluing species of Psilocybe from Puerto Rico, 63: 377-382.

Halling, R. E., see Antonín & al. Heinemann, P., see Valenzuela & al.

Heredia Abarca, Gabriela, see Mercado Sierra & al.

Hosagoudar, V. B., T. K. Abraham, and R. D. Goos. Three new species of the Meliolaceae from Kerala, India, 63: 493-496. 1997.

Illana, C., see Lizarraga & al.

Kendrick, B., see Castañeda Ruíz & al.

Larsen, Michael J., Jane E. Smith, and Donaraye McKay. On Piloderma bicolor and the closely related P. byssinum, P. croceum, and P. fallax, 63: 1-8.

León de la Luz, José Luis, see Pérez Silva and León de la Luz Lizarraga, M., G. Moreno, and C. Illana. The myxomycetes from Baja California (Mexico). I. 63: 287-300. 1997.

Lunghini, D., see Zucconi and Lunghini

Lunghini, Dario, and Francesco Toscano. Studies on Mediterranean hyphomycetes. VII. Septonema crispulum anam.-sp. nov. 63: 329-334. 1997.

Manjón, J. L., see Moreno & al. Martínez, Isabel, and Ana Rosa Burgaz. Additions to the chemistry, ecology and distribution of Peltigeramelanorrhiza and P. neopolydactyla, 63: 389-394. 1997.

McKay, Donaraye, see Larsen & al.

Mena Portales, Julio, see Mercado Sierra & al.

Mercado-Sierra, A., M. J. Figueras, and J. Gené. New or rare hyphomycetes from Cuba VIII. Species of Lylea, Phaeoisaria, Arxiella, Graphium, Periconia and Ramichloridium, 63: 369-375, 1997

Mercado Sierra, Angel, Gabriela Heredia Abarca, and Julio Mena Portales. Tropical hyphomycetes of Mexico I. New species of Hemicorynespora, Piricauda and Rhinocladium, 63: 155-167. 1997.

Mohammed, C., see Yuan and Mohammed

Moreno, G., see Lizarraga & al.

Moreno, G., N. Ayala, and F. Esteve Raventós. Tricholoma albidulum sp. nov. (Tricholomataceae, Agaricales) from Baja California, Mexico, 63: 383-387.

Moreno, G., J. L. Manjón, J. Diez, L. G. García-Montero, and G. Di Massimo. Tuber pseudohimalayense sp. nov. An Asiatic species commercialized in Spain, similar to the "Perigord" truffle, 63: 217-224. 1997.

Negrean, G., see Constantinescu and Negrean Nieves-Rivera, Angel M., see Guzmán & al.

Noordeloos, M. E., see Antonín & al. Pacioni, G., see Comandini and Pacioni

Pardo, Alejandro G., Andrea S. Sivori, and María E. Ranalli. Comparative study of cellulolytic enzyme zymograms of species of Thecotheus and Iodophanus (Pezizales-Ascomycetes), 63: 269-286. 1997. Pérez Silva, Evangelina, and José Luis León de la Luz. Macromycetes of

Baja California Sur, Mexico, 63: 395-417. 1997.

Petersen, Ronald H. Mating systems in hymenomycetes: new reports and taxonomic implications, 63: 225-259, 1997.

Polette, M., see Valenzuela & al. Ranalli, María E., see Pardo & al. Ranković, Branislav, and Ljiljana Čomić. Contribution to the knowledge of fungi of the genus Sphaerotheca in Yugoslavia, 63: 301-305. 1997.

Redhead, S. A., see Corlett & al.

Roberts, Peter. New heterobasidiomycetes from Great Britain, 63: 195-216. 1997.

Sivori, Andrea S., see Pardo & al.

Smith, Jane E., see Larsen & al.

Smith, M. Th., see de Hoog & al.

Tapia, Fidel, see Guzmán & al.

Thiers, Harry D. New species of Russula from California, 63: 349-358. 1997.

Toscano, Francesco, see Lunghini and Toscano

Valenzuela, E., P. Heinemann, F. Esteve-Raventós, S. Garnica, M. Polette, and W. Castells. A new contribution to the knowledge of the genus Agaricus in Chile. Agaricus wrightii sp. nov. 63: 71-76. 1997.

Vánky, K. Heterotolyposporium, a new genus of Ustilaginales, 63: 143-154. 1997.

Wang, Zheng, see Zhuang and Wang

Young, A. M., see Bougher and Young

Yuan, Zi Qing, and C. Mohammed. New species and new records of ascomycetes on stems of eucalypts from Tasmania, Australia, 63: 9-23. 1997.

Zhuang, Wen-ying, and Zheng Wang. Some new species and new records of discomycetes in China. VII. 63: 307-321. 1997.

Zucconi, L., and D. Lunghini. Studies on Mediterranean hyphomycetes. VI. Remarks on Bactrodesmium, and B. cubense comb. nov. 63: 323-327. 1997.

### INDEX TO FUNGOUS AND LICHEN TAXA, VOLUME SIXTY-THREE

This index includes names of genera, infrageneric taxa, species, and infraspecific taxa, as well as new names of suprageneric taxa. All new names are in CAPITALS. The page number on which a new name is proposed is followed by an asterisk (\*). Attention is drawn to the "Comprehensive alphabetical list of scientific names and common names in Fungi Canadenses 1–330" on pp. 92-130, not reindexed here.

Acaulospora silvipluvialis 74 lacunosa 136 terginus 365 Achroomyces 207, 209 bispora 195, 208 tristis 26 urinascens 72-73 valdiviae 72-73, 75 HENRICII 195, 200\*-201 WRIGHTII 71-73\*, 74-75 Acremonium 447 Actidium 488, 490 xanthoderma 72, 76 hysterioides 488 xantholepis 72 nitidum 488 Agrocybe 239 pulchellum 490 Alatospora 433 Agaricus 71-72 acuminata 431-432 Subg. Agaricus 74 Aleurodiscus Sect. Sanguinolenti 74
"Subtribe" Vestipedes 363
albertii 72-73 croceus 2 Alysidiopsis 183, 186 Alysidium 183, 186 aquosus 363 Amanita 398 arvensis 72 bisporigera 406, 414 augustus 72 bernardii 72 ceciliae 406 crocea 406 bisporus 72 fallax 407, 414 bitorquis 72 flavoconia 406 gemmata 406 butyraceus var. asemus 365 muscaria campestris 72 var. formosa 407, 414 conicus 26 strobiliformis 407, 414 confluens 364 vaginata 407 crocodilinus 71-73, 75 valens 407 cupreobrunneus 73 Ameghiniella 266 curanilahuensis 72 Androsaceus 359 diamantanus 74 Anguillospora 431, 435 crassa 433, 440 distortus 365 erythropus 364 furtiva 431, 433-434 fodiens 365 fustiformis 433, 440 fuscopurpureus 364 longissima 433, 435 hariolorum 364 1" 435-437 sp. sp."2" 436, 438-439 iocephalus 364 lentinoides 365 Anthracoidea 144 lividonitidus 73 Antrodiella macrosporus 72-73 onychoides 210 mediofuscus 72 Anzia 420 miniatus 27 ENTINGIANA 419\*-421 nebularum 72 jamesii 419-420 ocior 365 madagascariensis 420 perforans 366 Apiosporina peronatus 365 morbosa 89 phaeocyclus Arbusculina var. pucutrihuensis 72 moniliformis 431, 440 placomyces 72 Armillaria porphyrizon 72 mellea 405 porphyrocephalus 73 Articulospora prolixus 365 tetracladia 440 putillus 365 Arxiella 369

Ascobolus 270 Camposporium 173 Ascophanus 270 antillanum 173 subfuscus 270 Candida Aserophallus albicans 346 cruciatus 89 ingens 345-346 Asteridiella 494 Canoparmelia ANTIDESMATICOLA 493, 494\*-ANTEDELUVIALIS 335, 340\* 495 Cenangium 261-262, 266 Athelia Subg. Phaeangium 262 bicolor 2, 6 australe 261, 263 byssina 5 Cerrena Auriscalpium 231 unicolor 404 AUSTROCENANGIUM 261, 262\*-263, Chaetocalanthus 363 Chalara 169-170 AUSTRALE 261, 263\*-264, 266 Cheimonophyllum 228 NANUM 261, 263, 266\* candidissimum 225, 227-228 Bactrodesmium 323-324 Chionosphaera 197, 215 abruptum 323 apobasidialis 197 betulicola 324 COPPINSII 195\*-196 biformatum 324 Chlorencoelia cedricola 324 versiformis 89 CUBENSE 323, 324\*-325 Chloridium 375 hebridense 324 apiculatum 375 obliquum Chlorosplenium var. obliquum 324 versiforme 89 var. suttonii 324 Cilioplea 474 pithoideum 324 coronata 474 pluriseptatum 324 Badhamia 289 kansensis 474 Cintractia aurantiaca 289 muelleriana 148 bispora 289 piluliformis 148 gracilis 287-288, 294, 296 Circinotrichum ponmudiensis 180 grandispora 288 melanospora 288 Cladosporium 183, 186, 197 coppinsii 197 HELICOSPORUM 183\*-184, 186 nitens 287-289 var. AURANTIACA 287, 289\*-290 var. nitens 289-290 Clavaria rugulosa 289 nigrita 316 versicolor 289 Clavariopsis Baeospora 359, 362 aquatica 440 Battarrea Clavicorona 231 stevenii 398 Clavulina Bertia 10, 12 cristata 402 ANTENNAROIDEA 9, 10\*-12, 14, Clitocybe 18 olearius 250 Coccomyces convolutispora 12 delta 490 sinensis 12 Bertrandia 25 Colacogloea astatogala 27 peniophorae 202, 207 Boletus Coleroa edulis 411, 414 plantaginis 89 erythropus 411 robertiani 89 Bondarzewia 232 rubicola 89 Bulbothrix 49 Collybia 230, 239, 359-363 Sect. Collybia 361 hypocraea 52 isidiza 52-53 Sect. Cystidiatae 361 Sect. Iocephalae 361, 363 ventricosa 53 Bulgaria Sect. Levipedes 361 nana 266 Sect. Maculatae 361 Calonema Sect. Striipedes 361 luteolum 293, 296 Sect. Subfumosae 230, 361 Calyculosphaeria 12 Sect. Vestipedes 230, 361

[Collybia] alkalivrens 363 bulbosa 91 alpina 363 Dendrospora benoistii 363 polymorpha 431, 441-443 biformis 230 Dermatea 261 confluens 225, 228-230, 361 australis 263 dryophila 361 tetraspora 262 dysodes 364 Dermea 261-262, 266 fagiphila 364 cerasi 266 fusipes 361 Dermocybe graveolens 364 cinnabarinus 410 hariolorum 361 phoeniceus 410, 414 var. inodora 364 Diaporthe impudica 361 eucalypti 16 kauffmanii 364 eucalypticola 14 FUSISPORA 9, 11, 14\*, 16, 18 loiseleurietorum 364 luxurians 230 medusaea 16 meridana 365 Diatrype peronata 361 disciformis 200 popayanica 365 Dibotryon putilla 361 morbosum 89 sleumeri 365 Dictyosporium subnuda 230 micronesicum 180 subtergina 365 Didymella syringea 361 applanata 89 tergina 361 Didymium 291 tuberosa 361 clavodecum 287, 291, 294 turpis 366 squamulosum 291 Diposascus 345 INGENS 345\*-346 Collybiopsis 362 Coltricia Dothichiza 266 hamata 403 perennis 403 Endogone 131-132, 137-139 Comatricha 291 acrogena 139 anomala 287, 291, 293 alba 138-139 Complexipes AURANTIACA 131-133\*, 134, 136moniliformis 136 139 Conidiosporomyces 144, 154 flammicorona 138-139 ayresii 154 lactiflua 138-139 Coniochaeta 12 verrucosa 139 ligniaria 12 Endomelanconium 261, 263-264, 266 pulveracea 9, 11-12, 14, 18 nanum 266 Corticium pini 266 Sect. Byssina I Entodesmium 474, 483 bicolor 1-2, 4 nevadense 483 byssinum 5 rude 474 croceum 2 Entoloma Cortinomyces 46 lividum 410 Crinipellis 363 **Episclerotium** Cryptococcus 199 sclerotiorum 317 Cryptodiaporthe 13 Eutypa 16 aubertii 13 armeniacae 16 CURVATA 9, 11, 12\*-14, 18 lata 16 magnispora 13 spinosa 9, 11, 14, 16 melanocraspeda 13 Exidia salicella 13 glandulosa 211, 213 Cryptospora 18 Fenestella Cryptosporiopsis 262 media 9, 11, 14, 16-18 Cudonia Fibulostilbum 197 lutea 309 Filobasidiella 199 Cumminsiella depauperata 199 mirabilissima 91 LUTEA 195, 198\*-199 sanguinea 91-92 Flagellospora Dacrymyces 202 curvula 443

Flammulaster earleae 366 carpophilus **ERYTHROPUS 364\*** var. rhombosporus 90 FAGIPHILUS 364\* rhombosporus 90 FASCIATUS 364\* Fomes FUSCOPURPUREUS 364\* everhartii 404 fusipes 362, 366 Foveostroma 266 **GRAVEOLENS 364\*** Fuligo HARIOLORUM 364\* cinerea 287, 293, 295 HYBRIDUS 364\* intermedia 287, 293, 295 **IMPUDICUS 364\*** Ganoderma **INODORUS 364\*** lobatum 404 IOCEPHALUS 364\* KAUFFMANII 364\* Geoglossum 307, 320 alveolatum 310 LOISELEURIETORUM 364\* cookeianum 316 luxurians 366 elongatum 316 macropus 366 glabrum 315-316 mucubajiensis 366 var. angustosporum 316 NIVALIS 364\* glutinosum 307-308, 310 LACCATUM 307\*, 320 nubicola 366 OCIOR 365\* **OREADOIDES 365\*** nigritum 316 var. cheoanum 316 PERONATUS 365\* pumilum 310-311, 316-317 POLYPHYLLUS 365\* PUTILLUS 365\* pusillum 317-318 simile 311 SEMIHIRTIPES 365\* sinense 316 SPONGIOSUS 365\*-366 subpumilum 311, 316 STRIATIPES 365\* umbratile 316 SUBNUDUS 365\* var. heterosporum 311 subsulphureus 366 Geotrichum 345 SUBTERGINUS 365\* INGENS 345\* TERGINUS 365\* unakensis 366 Gerronema pseudogrisellum 90 Gyromitra Gigaspora infula 89 margarita 88 Gyrophragmium Gliophorus 25, 32 dunalii 398, 413 Gloiodon 232 Hebeloma strigosum 225-226, 230-231 crustuliniforme 85 Glomus cylindrosporum 85 deserticola 136 Helicogloea 200 Glonium lagerheimii 205 nitidum 488 Helicomina 183, 186 Glyphium 488 Heliscina 445 elatum 488 antennata 431, 444-445 Godfrinia campanulata 431, 445-447 conica 26 Helminthosporium Graphium 369 foveolatum 372 putredinis 369, 374 Helvella 398 Gymnopus 361-363, 366 crispa 402 Sect. IOCEPHALAE 363\* lacunosa 402 macropus 402 Sect. VESTIPEDES 363\* Hemicorynespora 155, 158 acervatus 366 ALKALIVIRENS 363\* ALPINUS 363\* aseptata 158 deightonii 158 AQUOSUS 363\* mitrata 158 BENOISTII 363\* naviculiformis 158 ROSTRATA 155, 156\*-159 Hemimycena 360 **BIFORMIS 363\* BRASSICOLENS 363\* CONFLUENS 364\*** Hericium 232 **CONTRARIUS 364\*** Herpotrichia 474 DICHROUS 364\* herpotrichoides 474

juniperi 475

dryophilus 366

[Herpotrichia] rubi 474 Hyphodontia Heterobasidion 232 sambuci 206 Heteroconium 370 Hypochnicium HETEROMYCOPHAGA 195, 210\*, 213 vellereum 198-199 GLANDULOSAE 195, 210, 211\*-Hypoderma 484 213 Hypomyces HETEROTOLYPOSPORIUM 143-144\*. lactiflorum 402, 414 154 Hypotrachyna 49 LEPIDOSPERMAE 143-144\*, 146dentella 53 147, 150 flavida 54 imbricatula 420, 422 PILULIFORME 143, 148\*-154 Hexagona silvatica 54 hirta 404 TOIANA 419, 420\*-422 Hormiactella 329, 333 Hypsizygus fusca 333 tessulatus 225, 232-233, 235 Hormomyces 214 Hysterium PENÍOPHORAE 195, 214\*-215 mytilinum 489 Hormotheca tortile 490 plantaginis 89 Idriella 169-170 robertiani 89 jambosae 170 MYCOPHILA 169, 170\*-172 taiwanensis 170 rubicola 89 Humphreya coffeatum 404, 414 Inocybe 398 Hygrocybe 25, 32 astatogala 27 calamistrata 409, 414 cucullata 409 batesii 32 descissa 409 cantharellus 25 dulcamara 409 chromolimonia 32 geophylla 409 coccinea 25, 31 conica 25-28, 31 Iodophanus 269-271 carneus 269-273, 275, 277-282, 284var. conica 25, 27 285 Isthmolongispora var. tierneyi 27 f. conica 25, 27 minima 431, 447-448 f. pseudoconica 26-27 Isthmotricladia graminicolor 32 britannica 461 kandora 25 Karoowia marchii 31 **DIUTINA 335, 340\*** miniata 28 SUPPOSITA 335, 340\* var. miniata 25, 27 Karstenula mollis 28 ceanothi 9-10, 14, 17-18 nigrescens 26-27 Keissleriella 482 POLYCHROMA 25, 30\*-32, 35 aesculi 482 punicea 31 cladophila 482 culmifida 482 pseudoconica 26 riparia 26 glocospora 483 Kompsoscypha 307, 312, 320 stevensoniae 32 strangulata 27 waterstonii 312 tristis 26 Laccaria VISCIDIBRUNNEA 25, 31\*-32, 35 amethystina 405 Hygrophoropsis laccata 398, 405 aurantiaca 411 maritima 92 Hygrophorus 25 trullisata 92 chrysodon 405 Lactarius 232, 402 conicus 26 indigo 413-414 laetus 25 Lampteromyces 250 miniatus 27 Leccinum nigrescens 26 chromapes 411 nigrescens 411 strangulatus 27 tristis 26 Lecidella viridis 32 elaeochroma 196 Hygrotrama 25 Lemonniera 431 Hyphoderma alabamensis 449

[Lemonniera] filiformis 431, 448-449 vagabundum 480 terrestris 449 vagans 486 Lentinellus 231, 237 vicinum 479 castoreus 225, 234, 236-237 viridarium 479 cochleatus 237 winteri 479 omphaloides 237 Lophiotrema 479 ursinus 237 auctum 475 vulpinus 237 bolivarii 486 Lentinula 251 crenatum 478 Leptosphaeria 487 culmigragum 479 arundinacea 480 duplex 480 avenaria 91 mollerianum 486 comatella 483 nucula 479 culmifida 482 praemorsum 477 pteridis 487 nodorum 91 papulosa 481 sedi 485 pinnarum 481 semiliberum 478 spatharum 481 vagabundum 480 Lophidium 475, 484 winteri 479 aromaticum 483 Lophium 489 budleiae 484 elatum 488 compressum 476 limonii 490 Lophionema mayori 489 helminthosporium 484 mytilinum 489 Lophiosphaera 475 Lycoperdon anaxaea 477 candidum 413 camarae 484 perlatum Lophiostoma 474-475, 484-486, 488 var. perlatum 413 Lylea 369-370, 372 alpigenum 481 catenulata 372 PALMICOLA 370\*, 372-373 anaxaeum 477 angustilabrum 477 appendiculatum 475 tetracoilum 372 caudatum 475 Lyomyces caulium 475, 486 byssinus 1, 5 Lyophyllum 359 f. santolinae 476 compressum 476, 484, 487 ulmarium 360 demissum 484 Lysurus desmazierii 479 borealis 89 duplex 480 cruciatus 89 ericarum 485 gardneri 89 fuckelii 477 Macowanites 37, 42 insidiosum 476 LUTEIROSEUS 37-38\*, 40-42 macrostomoides 477, 485 Marasmiellus 239-242, 359-363 macrostomum 475, 477, 486 candidus 225, 237-239, 241 FOETIDUS 366\* mollerianum 486 juniperinus 360 montellicum ssp. vicinum 479 opacus 239, 241 niessleanum 475 PERFORANS 366\* ramealis 225, 239-240 f. asteris-alpini 485 nucula 480 stenophyllus 225, 240-241 parvulum 476 tenerrimus pinastri 477 var. setulosus 239, 241 prominens 475 Marasmius 239, 244, 359-360, 362 quadrinucleatum 478 Sect. Epiphylli 244 var. triseptatum 478 Sect. Foetidi 360 rhopaloides 485 Sect. Gloeonemae 360 Sect. Gloiocephala 244 salsolae 476 sedi 485 Sect. Rameales 359 semiliberum 478 acicola 360 stuartii 486 anamalus 364 subcorticale 478 biformis 363 brassicolens 360, 363 triseptatum 478

[Marasmius] contrarius 364	inodora 361
copelandi 90	venosum 360
dichrous 364	Micropera 266
epiphyllus 225, 242-244	Microstoma 307, 320
fasciatus 364	aggregatum 313
ferrugineus 405	floccosum
foetidum 360	var. floccosum 312
hybridus 364	var. macrosporum 312
impudicus 360, 364	protractum 313
inodorus 364	Mitrula
minutus 225, 244	bicolor 317
nivalis 364	sclerotiorum 317
olidus 90	shiraiana 317
oreadoides 365	
perforans 360	Moesziomyces 145
	Montagnea
polyphyllus 365	arenaria 413
ramealis 359	Mycena 247
rotula 360	Sect. Calodontes 247
salalis 90	Sect. Luculentae 247
semihirtipes 365	Subsect. Granulatae 247
spongiosus 365	Subsect. Rosellae 247
striatipes 365	aurantiomarginata 225, 245-246
subnudus 365	rosella 225, 247-248
tremulae 244	Mycenastrum
Massaria	corium 398
eburnea 481	Mycocentrospora 431, 435, 440, 450-452
Massarina 480	acerina 452
arundinacea 480	clavata 440
cisti 480	varians 435-436
corticola 480	veratri 452
dianthi 487	Mycoglaena
eburnea 480-481	acuminans 487
papulosa 481	Mycosphaerella
Massariosphaeria 481	buxicola 487
alpigena 481	graminicola 91
phaeospora 481	rubina 89
rubicunda 482	Mytilinidion 489
straminis 482	gemmigenum 489
Melanotus 239	limonii 490
Meliola	mytilinellum 489
GLUTAE 493, 494*-495	rhenanum 489
mangiferae 496	tortile 490
mapaniae 496	Namakwa
TIBIGIRICA 493, 495-496*	ALIPHATICA 335-336*, 337
Merulius	exornata 336
foetidus 366	Nanoscypha 307, 312, 320
Metasphaeria	macrospora 313
anisometra 481	Naohidea 200
culmifida 482	Neofuscelia 424
papulosa 481	ADAMANTEA 335, 340*
f. limbalis 487	adpicta 425-426
spatharum 481	ARCHERI 419, 421-422*, 423
viridarii 481	atrobarbatica 424
Microcollybia 361	BRUSSEI 335, 337-338*
Microglossum 317	BULFINIANA 419, 421, 423*-424
capitatium 317	cafferensis 426
fumosum 308	DEPSIDELLA 419, 424*-425, 428
longisporum 317-318	MANINA 335, 340*
tetrasporum 317	martinii 423-424
Micromphale 360, 362	melanobarbatica 424
brassicolens 361	OLIVETORICA 419, 425*-426, 428
cauvetii 361	PARILIS 335, 339-340*
	171111111111111111111111111111111111111

	211
[Neofuscelia] peloloba 424	dentella 53
pictada 424	diutina 340
plana 426	dwaasbergensis 341
PRISTILOBA 335, 341*	emolumenta 342
pulla 424-425	epacridea 342
QUINONELLA 335, 337-338*, 339	erebea 341
stygiodes 338	fausta 341
subloxodella 422-423	festiva 342
VERNICOSA 335, 338-339, 341*	glabratula 195-196
VIOLACEA 335, 339, 341*	infausta 342
Neonygrocybe 25	inops 341
Nodulosphaeria 485	laevigata
ASTERIS-ALPINI 467, 485*	var. ceratina 53
Nothomitra 308	lucrosa 342
cinnamomea 309	lurida 342
SINENSIS 307, 308*-309, 320	lyrigera 341
Occultifur 202	manina 340
CORTICIORUM 195, 202*-203	mesmerizans 342
internus 202	musculina 342
Omphalotus 250-251	nimbicola 341
illudens 225, 247, 249-250, 252	oreophila 342
mexicanus 250	parilis 340
nidiformis 250, 252	ponderosa 342
olearius 250, 252, 406	pristiloba 341
olivascens 225, 250-252	pudens 341
subilludens 250	punctilla 64
Ophiobolus	putida 342
rudis 474	silvatica 54
Ostropa	var. pinnata 54
barbara 484	var. radiata 54
Oudemansiella 359, 362	sitiens 341
Pachnocybe 197	supposita 340
Pachycladina	tyrrhea 342
mutabilis 443	usitata 341
Panaeolus	vernicosa 341
sphinctrinus 408	violacea 341
Panellus	Parmotrema
mitis 228	LICHEXANTHONICUM 49*-50
Paraparmelia	ultralucens 49-50
AGAMALIS 335, 341*	Patellaria 486
ASILARIS 335, 341*	Peltigera 389
DWAASBERGENSIS 335, 341*	hymenina 389
EREBEA 335, 341*	melanorrhiza 389-391, 393
FAUSTA 335, 341*	neopolydactyla 389, 391-393
INOPS 335, 341*	Peniophora 214-215
LYRIGERA 335, 341*	lycii 214
NIMBICOLA 335, 341*	Perichaena 293
PUDENS 335, 341*	luteola 287, 293, 296-297
SITIENS 335, 341*	vermicularis 287
USITATA 335, 341*	Periconia 369, 374
Paratrichoconis 169, 173	byssoides 374
ANTILLANA 172, 173*-174	jabalpurensis 369, 374
chinensis 173, 175	Peronospora 189-190, 193
FUSARIOIDEA 173*, 175-176	fragariae 189, 193
Parmelia	potentillae 189-190, 193
abraxas 341	ptentillae-sterilis 193
adamantea 340	sparsa 189-193
agamalis 341	Pezicula 262
antedeluvialis 340	Peziza 271
asilaris 341	badioconfusa 90
assimilis 342	phyllogena 90
chionophila 342	vesiculosa 402

Phaeangium 262 Platystomum 475 lignicolum 262 bupleuri 487 phaeosporum 262 compressum 476 rubi 262 var. pseudomacrostomum 477 tetrasporum 262 var. septemseptata 476 Phaeoisaria 369, 372 nobile 476 clematidis 374 sparsa 369, 374 Pleospora coronata 474 var. CUBENSIS 370, 372\*-374 herbarum 90 var. sparsa 374 kansensis 474 Phaeolus rubicunda 482 schweinitzii 403 straminis 482 Phaeomarasmius tarda 90-91 erinaceus 90 Pleurotus 238, 251, 254 rhombosporus 90 dryinus 250 Phaeosphaeria ostreatus 250 avenaria 91 Pluteus nodorum 91 cervinus 407 Phellinus 398 Podaxon ferrugineovelutinus 403 carcinomale 398 igniarius 403 Protoglossum 46 rimosus 403 Psathyrella Phillipsia 307, 320 candoleana 408 camicolor 314 Pseudoanguillorpora 435 crispata 313, 317 Pseudobaeospora 361 Psilocybe 377-378 domingensis 314 hartmannii 314 Sect. Brunneocystidiatae 377, 379 subpurpurea 314, 317 Sect. Cordisporae 377, 380 Phlegmacium bulbosa 91 calochrum caerulescens 378 var. coniferarum 410 coprophila 408 multiformis 414 cubensis 377 var. coniferarum 410 **GUILARTENSIS 377-378\*, 380** Phomatospora 18 pleurocystidiosa 379 plutonia 378-380 dinemasporium 18 MACROSPORA 9-10, 14, 17\*-18 PORTORICENSIS 377, 379\*-380 punctulata 18 subcubensis 377 Phyllotopsis subtropicalis 380 nidulans 225, 253-254 yungensis 378 Physarum Puccinia brunneolum 287, 296, 298 blyttiana 91 decipiens 289 gibberulosa 91 straminipes 287, 296, 298 haleniae 92 viride Punctelia 57-58 var. aurantium 289 Subg. Punctelia 57 var. incanum 289 missouriensis 57-58, 60, 62, 64, 66, var. viride 289 Piloderma 1 perreticulata 68 bicolor 1-2, 6 punctilla 57-58, 60, 62, 64, 66, 68 subrudecta 58, 60, 64, 66, 68-69 byssinum 1-7 croceum 1-2, 5-6 Pyrenophora fallax 1-3, 6-7 coronata 474 Piricauda 155, 160 Ramichloridium 369-370, 375 caribensis 160 apiculatum 369, 375 cochinensis 160, 162 musae 375 cubensis 160 Relicina 49 MEXICANA 155, 158\*-159, 161abtrusa 54-55 Retroconis 183 paraguayensis 160 Rhinocladium 155, 164 pseudarthriae 160 abietina 164 taiwanensis 160 coprogenum 164 Piricaudilium dingleyae 164

[Rhinocladium] lignicola 164 shiraiana 317 mangenotii 164 Scolecobasidium MEXICANUM 155, 162\*-165 fusarioides 173 pulchrum 164 Scutellospora Rhizina dipurpurescens 136 inflata 89 Selenosporella 177 undulata 89 Septonema 329, 333, 370 Rhodocollybia 361, 363, 366 binum 333 CRISPULUM 329\*, 331-333 badiialba 366 butyracea 366 pseudobinum 333 f. ASEMA 365\* Septoria filamentosa 366 tritici 91 FODIENS 365\* Serendipita **LENTINOIDES 365\*** evanescens 205 maculata 366 Setulipes 362-363 var. scorzonerea 366 Sigmoidea MERIDANA 365\* aurantiaca 431, 453-454 oregonensis 366 Sirotrema 215 POPAYANICA 365\* PROLIXA 365\* Sorosporium 145 piluliforme 143, 148 var. DISTORTA 365\* Sowerbyella 307, 320 SLEUMERI 365 fagicola 314-315 subsulcatipes 366 imperialis 91 TURPIS 366\* unicolor 91 **UNAKENSIS 366\*** Spadicoides 169 Rhyparobius 270 obclavata Rickenella 360 var. HETEROCOLORATA 169, fibula 360 177\*-179 pseudogrisella 90 var. obclavata 177 Rimelia 52 Sparassis reticulata 52 crispa 404 simulans 50, 52 Spathularia SUCCINRETICULATA 49-50\*, 52 flavida 309 Roestelia Spermospora 452 brucensis 90 avenae 453 Russula 42, 232, 349-350, 355, 398, 402 ciliata 453 Sect. Piperinae 356, 358 subulata 453 Subsect. Lepidinae 356 Subsect. Rubinae 358 Sphaerangium 262 Sphaeria albidula 355 anisometra 481 BURGEAE 350, 354\*-355 arundinacea 480 cyanoxantha 412 caulium 475 ELLENAE 350, 355\*-356 comatella 483 emetica 412 compressa 476 GRUNDII 349\*-350 crenata 478 gloeospora 483 lilacea 353 MENDOCINENSIS 350, 357\*-358 juniperi 475 murrillii 353 macrostoma 477 ochroleuca 412 PACIFICA 350-351\* macrostomoides 477 nucula 479 paludosa 354 papulosa 481 PUNICEA 350, 356\*, 358 semiliberum 478 SIERRENSIS 350, 353\* Sphaeronaema 89 veternosa 356 Sphaeronaemella XANTHOPORPHYREA 350, 352\* helvellae 89 Sphaerotheca 301 xerampelina 351 Saccobolus 270 aphanis 301 Sampaioa 467, 487 dipsacearum 301-302 pinastri 487-488 epilobii 301-302 Schizostoma 475 euphorbiae 301-302 microsporum 488 ferruginea 301-302 vicinum 479 fugax 301, 303

Tremella 215

[Sphaerotheca] humuli 303 versicolor 215 macularis 301, 304 Tricellula 431, 458-459 mors-uvae 301, 304 aquatica 431, 455, 458 pannosa 301, 304 plantaginis 301, 304-305 Trichocladium 324 cubense 323-324 Spiculogloea 206-207 Trichoderma MINUTA 195, 204\*-207 reesei 284 occulta 195, 206 Trichoglossum cheliense 318 Sporidesmium abruptum 323 hirsutum 318 Sporisorium 145 var. hirsutum 309 Sporotrichum 2 var. LATISPORUM 307, 309\*, 320 fallax 2, 4 var. multiseptatum 318 pulvurulentum 284 kunmingense 318 Stagonospora persoonii 318 avenae 91 QINGCHENGENSE 307, 309\*-310, nodorum 91 320 Steccherinum rasum 309-310 basi-badium 225, 254-255 sinicum 310 tetrasporum 317-318 Stemonitis var. brevisporum 317 axifera 287 trechispora 287 yunnanense 318 Tricholoma 387 Stemphylium botryosum 90 Sect. Polyphyllina 383, 386 herbarum 91 ALBIDULUM 383, 384\*-387 Stenocladiella columbetta 386 neglecta 431, 454 virgineum 386-387 Stereum Trichometasphaeria 482 ostrea 405 culmifida 482 Strobilomyces dianthi 482-483 confusus 412, 414 gloeospora 483 Strobilurus 359, 362 Trichophaeopsis 307, 320 Sropharia bicuspis 315 Trichosporon 345-347 beigelii 346 semiglobata 408 Stysanus putredinis 374 glycophile 346 Taeniolella 370 inkin 346 ovoides 345-347 ribeiroi 346 Teichospora trabicola 485 Tephrocybe 359 Tricladium 431, 459-460 Terfezia 217 angulatum 459 Tetracladium caudatum 460-461 marchalianum 454 curvisporum 431, 460-461 Thaxterogaster 37, 46 Tridentaria 431, 461-463 aurantiacum 46 subuliphora 463 BASIPURPUREUM 37, 43\*-44, 46 Triscelophorus 431 LUTEIRUFESCENS 37, 44\*, 46 acuminatus 463 Thecaphora 145 monosporus 463 Thecotheus 269-271, 285 agranulosus 269, 271-273, 275-285 pelletieri 269, 271-273, 275-285 Tuber 217-218 aestivum 85 himalayense 77-80, 84-85, 217-218, 220, 222, 224 indicum 77, 81-85, 222 capnophila 431, 454-457 Tolyposporium melanosporum 77, 84-85, 222 PSEUDOHIMALAYENSE 217-218\*, junci 154 Tomentella byssina 5 spinoreticulatum 222 **Tubulicrinis** Torrendiella 307, 320 eucalypti 315 accedens 205 Trematosphaeria angustus 208 corticola 480 subulatus 208

Tulasnella 205-207

- [Tulasnella] saveloides 205 violea 204-205
- Tulostoma mammosum 398 obesum 398
- volvulatum var. volvulatum 413
- Tumularia tuberculata 431, 464 Tympanis 262
- Uredo piluliformis 143, 148
- Uromyces eugentianae 92 sanguineus 91
- Uropyxis sanguinea 91
- Ustilago muelleriana 148 piluliformis 148
- Vararia 232 Varicosporium delicatum 431, 464 elodeae 465
- Velutarina rufo-olivacea 262
- Veronaea apiculata 375 Verticillum 284 Vialaea 13 Volucrispora
- Volucrispora ornithomorpha 458 Wuestneia 20-21

- beltsvillensis 21 CAMPANULATA 9, 14, 18, 20\*-21 epispora 20-21
- eucalyptorum 20-21 Xanthoparmelia ABRAXAS 335, 341\*
  - ASSIMILIS 335, 341\* CHIONOPHILA 335, 342\* CONVOLUTELLA 419, 426\*-428
  - EMOLUMENTA 335, 342\* endomiltoides 339 EPACRIDEA 335, 342\* exillima 427, 429 FESTIVA 335, 342\*
  - furcata 339-340 incrustata 427 INFAUSTA 335, 342\*
  - LUCROSA 335, 342\* LURIDA 335, 342\* MESMERIZANS 335, 342\* MUSCULINA 335, 342\*
  - MUSCULINA 335, 342\* ORCHARDII 419, 427\*-429 OREOPHILA 335, 342\* PONDEROSA 335, 342\*
  - PONDEROSA 335, 342\* PUTIDA 335, 342\* terrestris 426
  - TRIEBELIAE 335, 337, 339\*-340 TYRRHEA 335, 342\*
- Xenostroma 266 Xerula 359, 362 Zygogloea gemellipara 210